

WHAT IS CLAIMED IS:

1. A process of effecting various anti compensation processes on input image on a plasma display panel, said process comprising the steps of:

- performing a gamma compensation process on a video signal received by said PDP with respect to a first gamma;
- dividing said video signal into at least two segments based on a gray level thereof; and
- performing a variety of anti compensation processes on said video signal in respective segment.

10 2. The process of claim 1, wherein in said step c) a second gamma smaller than said first gamma is used in said anti compensation process with respect to said video signal in a range of low gray level for increasing said gray level in said range of low gray level.

15 3. The process of claim 1, wherein in said step c) a third gamma larger than said first gamma is used in said anti compensation process with respect to said video signal in a range of high gray level for increasing a gradient in said range of high gray level, thereby obtaining a sharp contrast of said image.

4. The process of claim 3, wherein said gamma compensation process has been performed on said video signal received by said PDP in a following 20 equation:

$$\text{brightness} = k_1 \times (V_{\text{INPUT}}/V_{\text{MAX}})^\gamma$$

where  $\gamma = 2.2$ ,  $k_1$  is a variable representing a gray level of a color television (TV),  $V_{\text{INPUT}}$  is input voltage, and  $V_{\text{MAX}}$  is a maximum voltage for showing said maximum gray level of said color TV.

25 5. The process of claim 4, wherein a fourth gamma smaller than 2.2 is used in said anti compensation process with respect to said video signal in said range of low gray level.

6. The process of claim 4, wherein a fifth gamma equal to 2.2 is used in said anti compensation process with respect to said video signal in said range of intermediate gray level.
7. The process of claim 4, wherein a sixth gamma larger than 2.2 is used in said anti compensation process with respect to said video signal in said range of high gray level.